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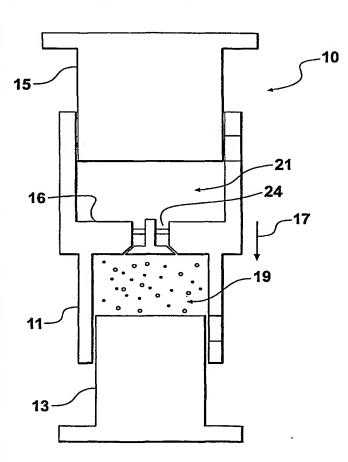
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(54) Title: RECIPROCATING ENGINE



(57) Abstract: A reciprocating engine (10) operating on the two stroke cycle, comprising a pair of stationary and substantially concentrically aligned mutually opposed pistons (13, 15) and a sleeve (11) adapted to reciprocate about these static pistons. The reciprocating sleeve (11) defining two cavities, each cavity being operatively connected to one of the pistons to define a chamber. The first chamber being a pre-charge chamber (21) and having at least one inlet port (25), and the second chamber being a combustion chamber (19) and having at least one outlet port (35), the two chambers being separated by a pressure operated transfer valve (23). The reciprocating motion of the sleeve (11) can be converted into rotary motion.

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